5/13/2009 12:06:56 PM
5/13/2009 12:55:23 PM

[File 2] INSPEC 1898-2009/Jan W2
[File 6] NTIS 1964-2009/Jan W4
[File 8] Ei Compendex(R) 1970-2009/Jan W4
[File 34] SciSearch(R) Cited Ref Sci 1990-2009/Jan W4
[File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
[File 35] Dissertation Abs Online 1861-2009/Jan
[File 65] Inside Conferences 1993-2009/Jan W5
[File 99] Wilson Appl. Sci & Tech Abs 1983-2009/Apr
[File 144] Pascal 1973-2009/Jan W2
[File 23] CSA Technology Research Database 1963-2009/Jan
[File 31] World Surface Coatings Abs 1976-2009/Jan
[File 95] TEME-Technology & Management 1989-2009/Jan W5
[File 56] Computer and Information Systems Abstracts 1966-2009/Aug
[File 57] Electronics & Communications Abstracts 1966-2009/Aug
[File 68] Solid State & Superconductivity Abstracts 1966-2009/Jan
[File 60] ANTE: Abstracts in New Tech & Engineer 1966-2009/Jan
[File 293] Engineered Materials Abstracts 1966-2009/Jan
[File 239] Mathsci 1940-2009/Feb
[File 256] TECINFOSOURCE 82-2009/DEC


```
Set    Items    Description
S1     566729   S LOUDSPEAK???? OR LOUD()SPEAK???? OR SPEAKER??? OR MEGAPHONE??? OR
MEGA()PHONE??? OR (AUDI??????? OR SOUND??? OR ACOUSTIC????? OR AURAL OR ACOUSTO??????? OR
HI()FI) (3N) (AMPLIF????? OR MEANS OR DEVICE??? OR APPARATUS OR UNIT??? OR GENERAT???? OR
EQUIPMENT OR TRANSDUC???? OR RADIAT???? OR DISTORT??? OR SIGNAL??? OR REPRODUC???? OR
PRODUC????) OR (SPEECH OR VOICE OR ELECTROMAGNET??? OR ELECTRO()MAGNET???) (2N) (COIL??? OR
BOBBIN OR COLLAR OR WINDING OR ACTUAT??? OR SHAK???)

S2     8145387  S DIAPHRAGM??? OR MEMBRANE??? OR SKIN OR COVER??? OR BELL??? OR FILM???

S3     1257894  S (IMPREGNAT???? OR SATURAT???? OR SOAK??? OR PERMEAT??? OR TRANSFUS???
OR PENETRAT??? OR INFUS??? OR DRENCH??? OR PLURAL???? OR MANY OR MORE OR SEVERAL???? OR
MULTI???? OR DIFFER???? OR NUMBER??? OR NUMEROUS OR VARI?????? OR VARY???? OR SET OR SETS
OR ARRAY??? OR CLUSTER???? OR NETWORK????) (3N) (UNTWIST????? OR TWIST??? OR WOVEN OR
PATTERN???? OR WEAV??? OR KNIT??? OR FABRIC???? OR FIBER??? OR FIBRE?? OR THREAD??? OR
CLOTH?? OR THERMOSET???? OR THERMO()SET OR RESIN???? OR ADHE????? OR EPOXY OR BOND???? OR
PAST???)

S4     32157    S (INTERNAL???? OR INTRINSIC??? OR INTEGRAL??? OR INSIDE OR INTEGRAT????
OR INBUILT OR IN()BUILT OR BUILTIN OR BUILT()IN) (3N) (LOSS OR LEAK????)

S5     1527     S (GREATER()THAN OR AT()LEAST OR MORE()THAN OR MAXIMUM OR AT()MOST OR
MORE OR HIGHER OR LARG????) (3N) (0()40)

S6     571721   S (OPTIM????? OR EFFECT????? OR EFFICIEN????? OR ACCURA??????? OR
MAXIM????? OR BETTER OR EXCEL????? OR IMPROV??????? OR INCREAS???? OR HIGH OR HIGHER OR
ENHANC???? OR GOOD OR QUALIT???? OR PRECISE) (3N) (BALANC??? OR EQUILIBRIUM OR EQUILIBRUIM
OR RIGID???? OR LOSS????)

S7     53272    S CC=(A4388 OR B6450 OR B6450B OR B7810C OR E1780 OR E3644H)
S8     0        S S1 AND S2 AND S3 AND S4 AND S5 AND S6
S9     902      S S1 AND S2 AND S3
S10    5        S S9 AND S4
S11    3        RD  (unique items)
S12    0        S S9 AND S5
S13    14       S S9 AND S6
S14    11       RD  (unique items)
S15    58       S S9 AND S7
S16    25       S S1(3N)S2(3N)S3
S17    16       RD  (unique items)
S18    0        S S1 AND S4 AND S5
S19    0        S S1(3N)S5
S20    9        S S1 AND S5
S21    5        RD  (unique items)
S22    29       S S1(3N)S4
S23    21       RD  (unique items)
S24    17       S S23 NOT PY>2002
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S25      48   S S1 AND S4 AND S6
S26      28   S S25 AND S2
S27       2   S S26 AND S3
S28       1   RD  (unique items)
S29       0   S S26 AND S5
S30       4   S S25 AND S7
S31       4   RD  (unique items)
S32      15   S S1(3N)S4(3N)S6
S33      10   RD  (unique items)
S34      13   S S2(3N)S5
S35       7   RD  (unique items)
S36       7   S S2 AND S3 AND S5
S37       6   RD  (unique items)
S38       1   S S2(3N)S3(3N)S4
S39      16   S S2(3N)S3(3N)S6
S40      11   RD  (unique items)
S41     111   S S2 AND S3 AND S4
S42       0   S S41 AND S7
S43     662   S S2(3N)S4
S44      15   S S43 AND S1
S45      10   RD  (unique items)
S46      19   S S43 AND S3
S47      14   RD  (unique items)
S48       0   S S43 AND S5
S49      47   S S43 AND S6
S50      30   S S49 NOT PY>2002
S51      23   RD  (unique items)
S52       2   S S43 AND S7
S53       2   RD  (unique items)
S54      10   S S14 NOT S11
S55       5   S S21 NOT (S11 OR S14)
S56       0   S S28 NOT (S11 OR S14 OR S21)
S57       4   S S31 NOT (S11 OR S14 OR S21 OR S28)
S58       8   S S33 NOT (S11 OR S14 OR S21 OR S28 OR S31)
S59       7   S S35 NOT (S11 OR S14 OR S21 OR S28 OR S31 OR S33)
S60       6   S S37 NOT (S11 OR S14 OR S21 OR S28 OR S31 OR S33 OR S35)
S61       1   S S38 NOT (S11 OR S14 OR S21 OR S28 OR S31 OR S33 OR S35 OR S37)
S62      11   S S40 NOT (S11 OR S14 OR S21 OR S28 OR S31 OR S33 OR S35 OR S37 OR S38)

S63       7   S S45 NOT (S11 OR S14 OR S21 OR S28 OR S31 OR S33 OR S35 OR S37 OR S38 OR
S40)

S64       0   S S53 NOT (S11 OR S14 OR S21 OR S28 OR S31 OR S33 OR S35 OR S37 OR S38 OR
S40 OR S45)

S65      16   S S17 NOT (S11 OR S14 OR S21 OR S28 OR S31 OR S33 OR S35 OR S37 OR S38 OR
S40 OR S45 OR S53)

S66      14   S S24 NOT (S11 OR S14 OR S17 OR S21 OR S28 OR S31 OR S33 OR S35 OR S37 OR
S38 OR S40 OR S45 OR S53)

S67      12   S S47 NOT (S11 OR S14 OR S17 OR S21 OR S24 OR S28 OR S31 OR S33 OR S35 OR
S37 OR S38 OR S40 OR S45 OR S53)
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5/13/2009 2:16:57 PM
5/13/2009 2:58:50 PM

[File 344] Chinese Patents Abs Jan 1985-2006/Jan
[File 347] JAPIO Dec 1976-2008/Oct(Updated 090220)
[File 350] Derwent WPIX 1963-2008/UD=200913
[File 371] French Patents 1961-2002/BOPI 200209


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Set     Items    Description
S1      462724   S LOUDSPEAK???? OR LOUD()SPEAK???? OR SPEAKER??? OR MEGAPHONE??? OR
MEGA()PHONE??? OR (AUDI?????? OR SOUND??? OR ACOUSTIC????? OR AURAL OR ACOUSTO?????? OR
HI()FI)(3N)AMPLIF????? OR MEANS OR DEVICE??? OR APPARATUS OR UNIT??? OR GENERAT???? OR
EQUIPMENT OR TRANSDUC???? OR RADIAT???? OR DISTORT??? OR SIGNAL??? OR REPRODUC???? OR
PRODUC????) OR (SPEECH OR VOICE OR ELECTROMAGNET??? OR ELECTRO()MAGNET???)(2N)(COIL??? OR
BOBBIN OR COLLAR OR WINDING OR ACTUAT??? OR SHAK???)

S2      3980523  S DIAPHRAGM??? OR MEMBRANE??? OR SKIN OR COVER??? OR BELL??? OR FILM???

S3      606313   S (IMPREGNAT???? OR SATURAT???? OR SOAK??? OR PERMEAT??? OR TRANSFUS???
OR PENETRAT??? OR INFUS??? OR DRENCH??? OR PLURAL???? OR MANY OR MORE OR SEVERAL???? OR
MULTI???? OR DIFFER???? OR NUMBER??? OR NUMEROUS OR VARI?????? OR VARY???? OR SET OR SETS
OR ARRAY??? OR CLUSTER???? OR NETWORK????)(3N)(UNTWIST????? OR TWIST??? OR WOVEN OR
PATTERN???? OR WEAV??? OR KNIT??? OR FABRIC???? OR FIBER??? OR FIBRE?? OR THREAD??? OR
CLOTH?? OR THERMOSET???? OR THERMO()SET OR RESIN???? OR ADHE????? OR EPOXY OR BOND???? OR
PAST???)

S4      11456    S (INTERNAL???? OR INTRINSIC??? OR INTEGRAL??? OR INSIDE OR INTEGRAT????
OR INBUILT OR IN()BUILT OR BUILTIN OR BUILT()IN)(3N)(LOSS??? OR LEAK????)

S5      1925     S (GREATER()THAN OR AT()LEAST OR MORE()THAN OR MAXIMUM OR AT()MOST OR
MORE OR HIGHER OR LARG????)(3N)(0()40)

S6      200754   S (OPTIM????? OR EFFECT????? OR EFFICIEN????? OR ACCURA??????? OR
MAXIM????? OR BETTER OR EXCEL????? OR IMPROV?????? OR INCREAS???? OR HIGH OR HIGHER OR
ENHANC???? OR GOOD OR QUALIT???? OR PRECISE)(3N)(BALANC??? OR EQUILIBRIUM OR EQUILIBRUIM
OR RIGID???? OR LOSS????)

S7      30756    S IC=(B32B-025/08 OR D06M-015/423 OR H04R-007/02 OR B32B-027/04 OR D03D-
001/00 OR D03D-015/00 OR D03D-015/12 OR D04H-001/42 OR D04H-001/58 OR D06M-015/55 OR
D06M-015/555 OR H04R-031/00 OR H04R-007/02 OR H04R-007/12 OR H04R-007/14)

S8      5021     S MC=(V06-A02 OR V06-F OR V06-J01)
S9      0        S S1 AND S2 AND S3 AND S4 AND S5 AND S6
S10     93       S S1 AND S2 AND S3 AND S4
S11     0        S S10 AND S5
S12     59       S S10 AND S6
S13     30       S S12 AND S7
S14     7        S S13 AND S8
S15     101      S S1(3N)S2(3N)S3
S16     12       S S15 AND S4
S17     0        S S15 AND S5
S18     17       S S15 AND S6
S19     4        S S18 AND S7
S20     4        S S18 AND S8
S21     7        S S1(3N)S2(3N)S3(3N)S4
S22     0        S S1(3N)S2(3N)S3(3N)S5
S23     0        S S1(3N)S2(3N)S4(3N)S5
S24     0        S S1(3N)S2(3N)S5
S25     1        S S1 AND S2 AND S5
S26     0        S S1(3N)S4(3N)S5
S27     0        S S1 AND S4 AND S5
S28     0        S S2(3N)S4(3N)S5
S29     1        S S2 AND S4 AND S5
S30     0        S S2(3N)S3(3N)S5
S31     57       S S2 AND S3 AND S5
S32     0        S S31 AND S7
S33     0        S S31 AND S8
S34     84       S S1(3N)S2(3N)S4
S35     15       S S34 AND S3
S36     0        S S35 AND S5
S37     11       S S35 AND S6
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S38        8    S S35 AND S7
S39        2    S S35 AND S8
S40      177    S S1(3N)S2(3N)S6
S41       26    S S40 AND S3
S42       14    S S41 AND S4
S43        0    S S41 AND S5
S44       12    S S41 AND S7
S45        4    S S41 AND S8
S46      224    S S2(3N)S4(3N)S6
S47      179    S S46 AND S1
S48       34    S S47 AND S3
S49        0    S S48 AND S5
S50       18    S S48 AND S7
S51        3    S S50 AND S8
S52       11    S S16 NOT S14
S53        2    S S19 NOT (S14 OR S16)
S54        0    S S20 NOT (S14 OR S16 OR S19)
S55        4    S S21 NOT (S14 OR S16 OR S19 OR S20)
S56        1    S S25 NOT (S14 OR S16 OR S19 OR S20 OR S21)
S57        1    S S29 NOT (S14 OR S16 OR S19 OR S20 OR S21 OR S25)
S58        5    S S38 NOT (S14 OR S16 OR S19 OR S20 OR S21 OR S25 OR S29)
S59        0    S S39 NOT (S14 OR S16 OR S19 OR S20 OR S21 OR S25 OR S29 OR S38)
S60        5    S S42 NOT (S14 OR S16 OR S19 OR S20 OR S21 OR S25 OR S29 OR S38 OR S39)

S61        4    S S44 NOT (S14 OR S16 OR S19 OR S20 OR S21 OR S25 OR S29 OR S38 OR S39 OR
S42)

S62        1    S S45 NOT (S14 OR S16 OR S19 OR S20 OR S21 OR S25 OR S29 OR S38 OR S39 OR
S42 OR S44)

S63        8    S S50 NOT (S14 OR S16 OR S19 OR S20 OR S21 OR S25 OR S29 OR S38 OR S39 OR
S42 OR S44 OR S45)

S64        0    S S51 NOT (S14 OR S16 OR S19 OR S20 OR S21 OR S25 OR S29 OR S38 OR S39 OR
S42 OR S44 OR S45 OR S50)

S65        7    S S18 NOT (S14 OR S16 OR S19 OR S20 OR S21 OR S25 OR S29 OR S38 OR S39 OR
S42 OR S44 OR S45 OR S50 OR S51)

S66        0    S S35 NOT (S14 OR S16 OR S18 OR S19 OR S20 OR S21 OR S25 OR S29 OR S38 OR
S39 OR S42 OR S44 OR S45 OR S50 OR S51)

S67        0    S S37 NOT (S14 OR S16 OR S18 OR S19 OR S20 OR S21 OR S25 OR S29 OR S35 OR
S38 OR S39 OR S42 OR S44 OR S45 OR S50 OR S51)
```

(FILE 'HOME' ENTERED AT 12:10:26 ON 13 MAY 2009)

```
     FILE 'CAPLUS, KOREAPAT' ENTERED AT 12:11:02 ON 13 MAY 2009
L1      26767 SEA SPE=ON  ABB=ON  PLU=ON  LOUDSPEAKER OR LOUD SPEAKER OR
                VOICE COIL OR (AUDIO OR ACOUSTIC OR ACOUSTO)(3A)(TRANSDUCER OR
                DEVICE OR AMPLIF############### OR MEANS OR APPARATUS OR UNIT
                OR GENERAT######### OR RADIAT####)
L2    3017566 SEA SPE=ON  ABB=ON  PLU=ON  DIAPHRAGM OR SKIN OR MEMBRANE OR
                SKIN OR COVER OR FILM
L3      50209 SEA SPE=ON  ABB=ON  PLU=ON  (IMPREGNAT####### OR SOAK###### OR
                INFUS#### OR TRANSFUS######## OR PERMEAT####)(3A)(FABRIC OR
                FIBER OR FIBRE OR CLOTH OR RESIN OR PAST#### OR BOND#### OR
                ADHE#### OR EPOXY)
L4        858 SEA SPE=ON  ABB=ON  PLU=ON  (INTERNAL LOSS OR LOSS OR GREAT####
                # OR LARG#### OR BIGGER OR MUCH OR MORE OR AT LEAST OR MAX OR
                MAXIMUM OR HIGHER OR AT MOST)(3A)(0 40)
L5          0 SEA SPE=ON  ABB=ON  PLU=ON  L1 AND L2 AND L3 AND L4
L6       1265 SEA SPE=ON  ABB=ON  PLU=ON  L1(3A) L2
L7          7 SEA SPE=ON  ABB=ON  PLU=ON  L6(3A) L3
L8          0 SEA SPE=ON  ABB=ON  PLU=ON  L6(3A) L4
L9          0 SEA SPE=ON  ABB=ON  PLU=ON  L1(3A) L4
L10         0 SEA SPE=ON  ABB=ON  PLU=ON  L1 AND L4
L11        94 SEA SPE=ON  ABB=ON  PLU=ON  L2 AND L4
L12         4 SEA SPE=ON  ABB=ON  PLU=ON  L2(3N) L4
L13         0 SEA SPE=ON  ABB=ON  PLU=ON  L1 AND L11
                D L7 IBIB ABS 1-7
L14         4 SEA SPE=ON  ABB=ON  PLU=ON  L12 NOT L7
                D L14 IBIB ABS 1-4
FILE 'STNGUIDE' ENTERED AT 12:21:36 ON 13 MAY 2009
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10/730162

Wed, 13 May 2009, 1:20:14 PM EST

Search Query Display

Recent Search Queries	Results
#1	(((((loud speaker) or speaker) and (diaphragm))<in>metadata)) <and> (pyr >= 1913 <and> pyr <= 2002)	4